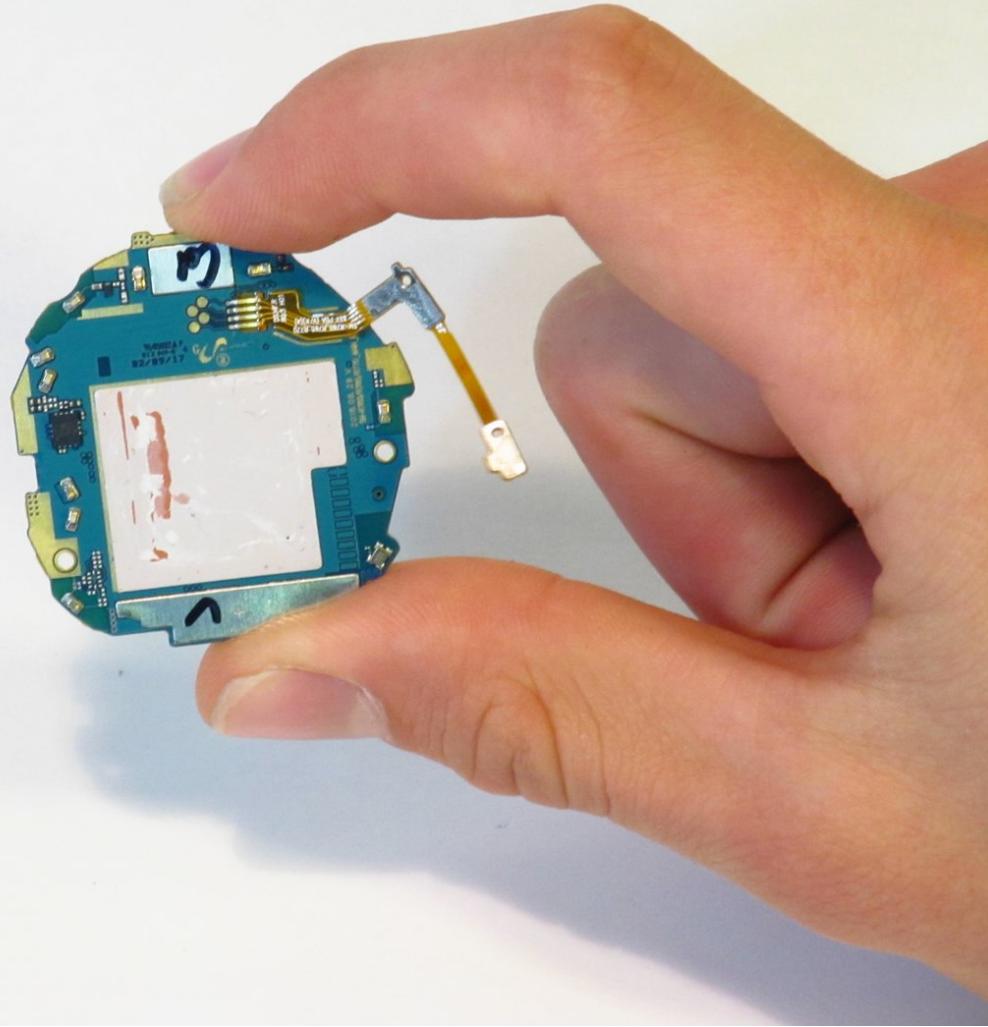




Samsung Gear S3 Frontier Motherboard Replacement

Samsung Gear S3 Frontier motherboard replacement guide.

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INTRODUCTION

Is your device completely unresponsive? Did all of the other troubleshooting and replacement guides not fix your problem? If so, there's a good chance your motherboard needs to be replaced. Follow this guide.

TOOLS:

- [JIS #00 Screwdriver](#) (1)
- [Metal Spudger](#) (1)
- [Spudger](#) (1)
- [Tri-point Y00 Screwdriver](#) (1)
- [Tweezers](#) (1)

Step 1 — Back Cover



- Place the watch screen-down so that its back cover is showing.

Step 2



- Remove the four 4.2mm screws with a Y00 screwdriver.

Step 3

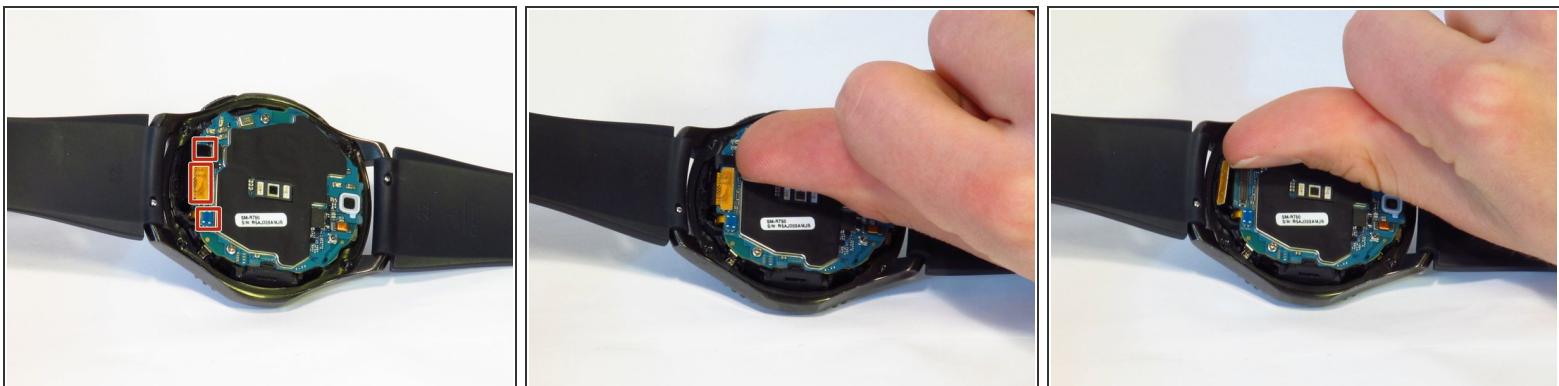


- Wedge the metal spudger in between the back cover and the frame along the seam.
- Use force to pry the back cover away from the main watch frame.

(i) This step requires a lot of force. You can use a Jimmy in place of a metal spudger to make the process easier.

 This step will ruin the water-proof seal.

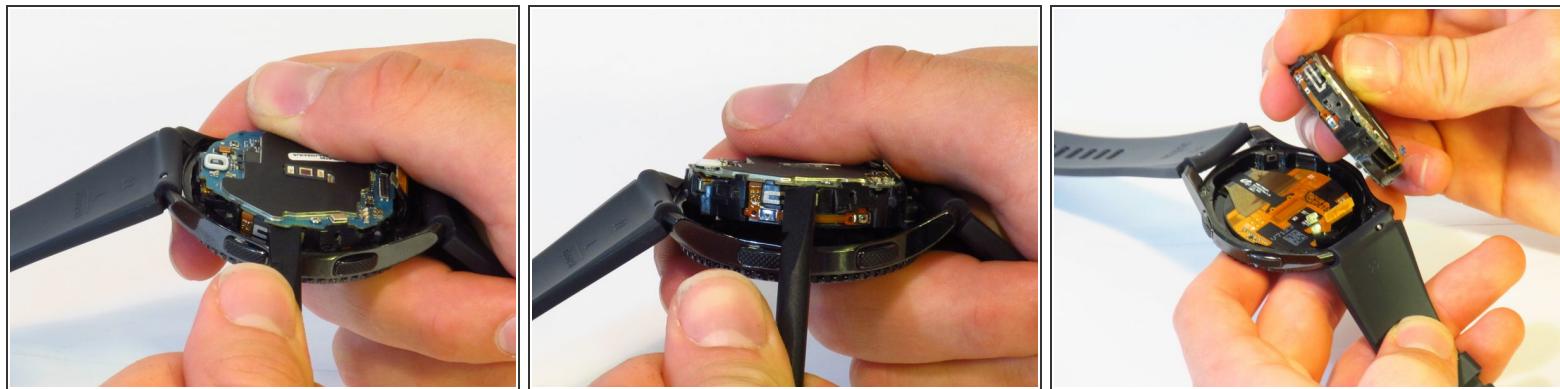
Step 4 — Front Screen Assembly



- Detach the three connectors on the motherboard using your fingernail.

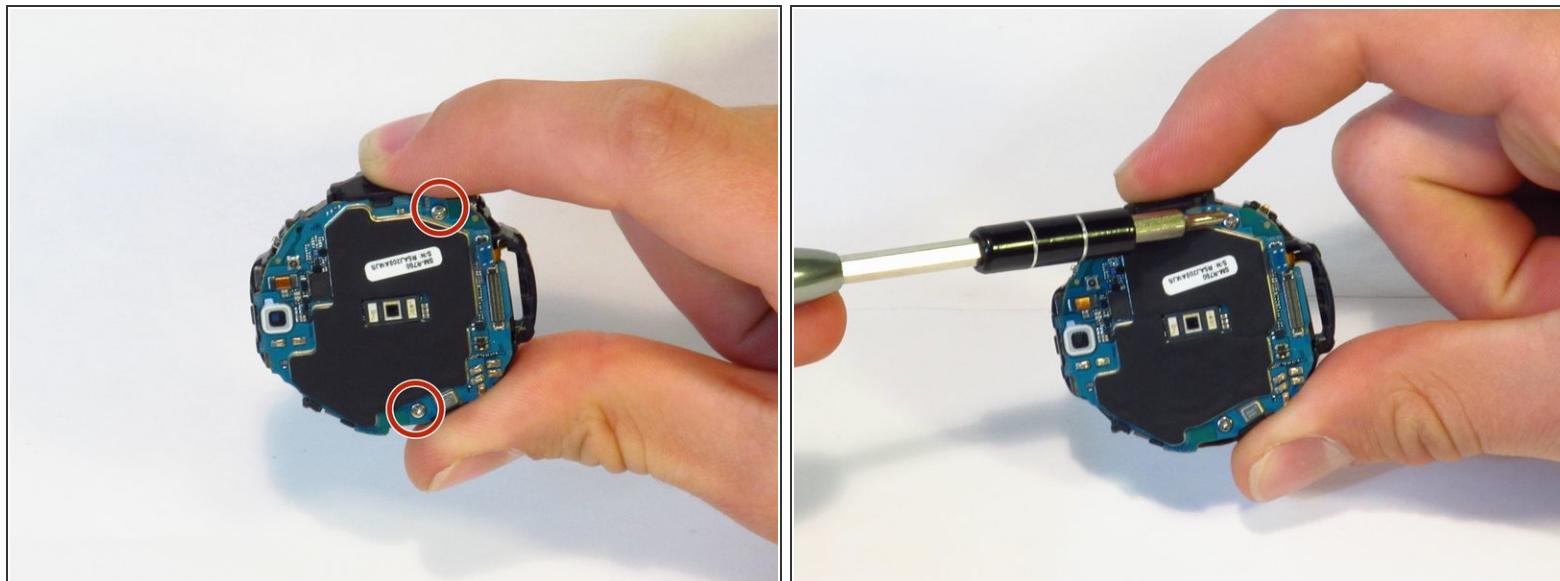
(i) The connectors are easy to pop off. Minimal force is necessary.

Step 5



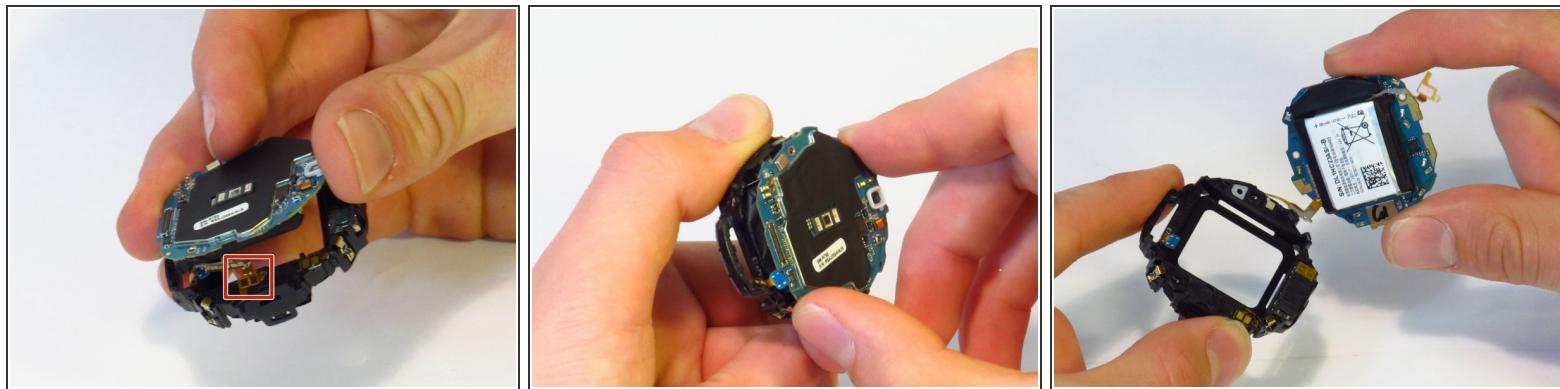
- Separate the motherboard and front screen assembly using a spudger.

Step 6 — Battery



- Using a JIS #00 screwdriver, remove the two 4.5 mm screws.

Step 7

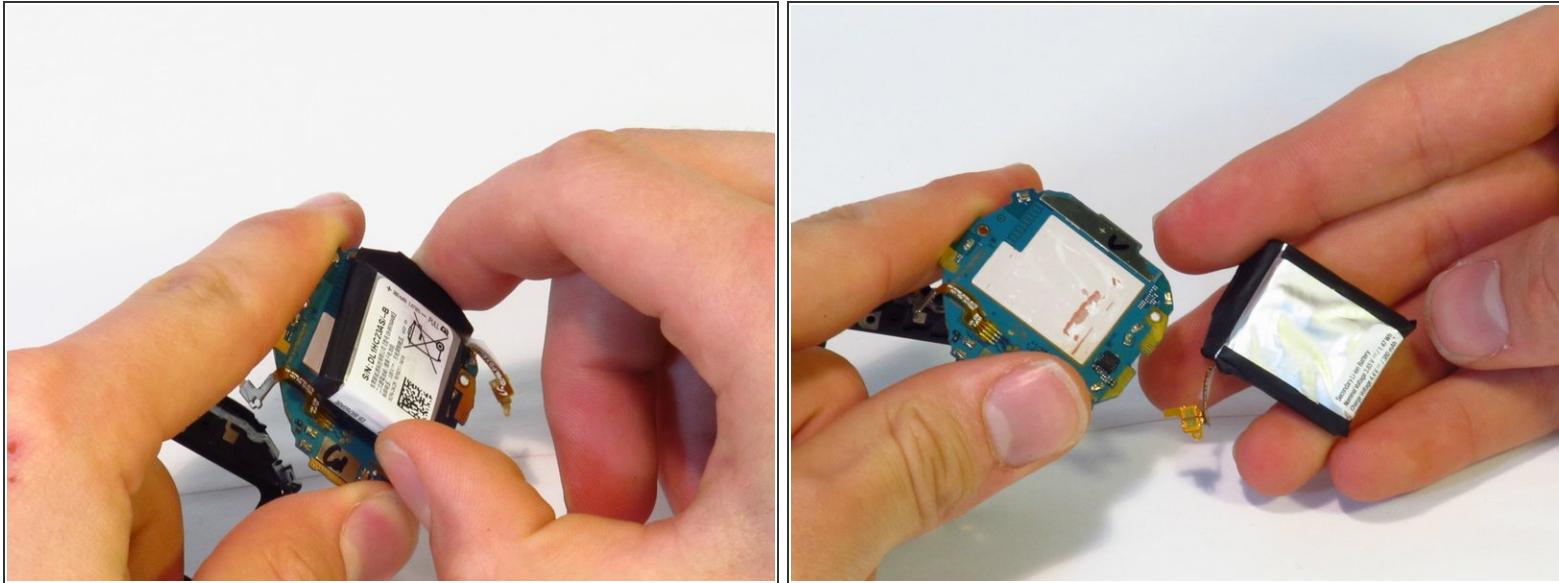


- Disconnect the battery ribbon cable from bracket.
- Separate the chassis from the motherboard.

(i) Be careful with the battery ribbon cable, as it is very easy to break (ours did when disassembling).

★ Note how the end of the ribbon cable seats in the plastic chassis. Look for the plastic pin on the chassis when re-seating.

Step 8

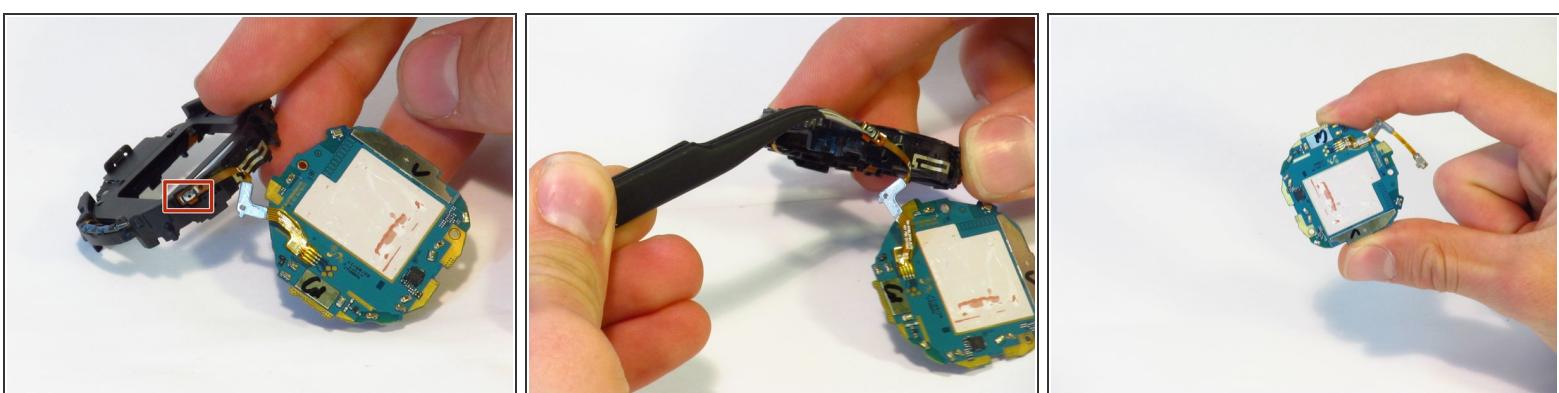


- Separate the battery from the motherboard.

(i) The battery and the motherboard are secured with adhesive; some force is needed.

⚠ Lithium-ion batteries are potentially dangerous. Handle with extreme care and do not puncture the battery.

Step 9 — Motherboard



- Remove the battery's cable from the chassis using tweezers.

To reassemble your device, follow these instructions in reverse order.